

“Replacement Sheet”

Fig. 9a

Comparative figure of 13K prolamин sequences

“Replacement Sheet”

Fig. 9b

RM1. (SEQ ID.3) 301:GGCTGGTAGCGCAACAATCTCACTACCAGGCCATTAGTAGCGTTCAGGCATTGCGAC
RM4. (SEQ ID.94) 301:GG-TG---GCGCAACAATCTCACTATCAGGACATTAAACATTGTCAGGCCATAGCGCAGC
RM5. (SEQ ID.95) 301:GGCTGGTAGCGCAACAATCTCACTACCAGGCCATTAGTAGCGTTCAGGCATTGCGAC
RM7. (SEQ ID.96) 301:GGCTGGTAGCACAACAATCTCACTACCAGGCCATTAGTATTGTCAGGCATTGCGAC
RM9. (SEQ ID.1) 301:GGATGATCGCACAACAGTCCTACTGCCAGGCCATTAGCAGTGTCAAGGCTATTGCGAC

RM1. (SEQ ID.3) 361:AACTACAGCTGCAGCAGGTGGT-GTCTACTTGTACAGACTCAAGCTCAAGCTCAA
RM4. (SEQ ID.94) 361:AGCTACAACCTCCAGCAGTTGGTGATC-TCTACTTTGATCGGAATCTGGCTCAAGCTCAA
RM5. (SEQ ID.95) 361:AACTACAGCTGCAGCAGGTGGT-GTCTACTTGTACAGACTCAAGCTCAAGCTCAA
RM7. (SEQ ID.96) 361:AGCTACAACCTGCAGCAATTAGTGGT-GTCTACTTTGATCGAGACTCAAGCTCAAGCCAA
RM9. (SEQ ID.1) 361:AGCTACGGCTACAACAGTTGCT-AGCGTCTACTTCGATCAGAGTCAGCTCAAGCTCAAGCCAA

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RM1. (SEQ ID.3) 421:GCTTIGCTGGCCTTAAACTTGCATCCATATGTGGTATCTAACCTAACTACTACATTGCT
RM4. (SEQ ID.94) 421:GCTCTGTTGGCTTIAACGTGCCATCTAGATATGGTATCTACCCTAGGTACTATGGTGC
RM5. (SEQ ID.95) 421:GCTTIGCTGGCCTTAAACTTGCATCCATATGTGGTATCTACCTAACTACTACATTGCT
RM7. (SEQ ID.96) 421:ACTCTGTTGACCTTCAACTTGCATCCATATGTGGTATCTACCCAAACTACTATAGTGC
RM9. (SEQ ID.1) 421:GCTATGTTGGCCTTAAACATGCCGTCATATGCCGTATCTACCCAGCTACAACACTGCT

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Rm1. (SEQ ID.3) 481:CCGAGGAGCATTCACCCACCGTTGGTGGTCTGGTACTGAAATTGTAATAGTATAATGGTTC
Rm4. (SEQ ID.94) 481:CCCACTTACCATTCACCCCTGGCGGGTCTGTAAATGAGTTTAACAGTATAGTGGTTC
RM5. (SEQ ID.95) 481:CCGAGGAGCATTCACCCACCGTTGGTGGTCTGGTACTGAAATTGTAATAGTATAATGGTTC
RM7. (SEQ ID.96) 481:CCCACTTACCATTCACCCACCGTTGGTGGTCTGGTACTGAAATTGTAACAAATATAATAGTTC
RM9. (SEQ ID.1) 481:CCCTGTAGCATTCACCCACCGTCGGTGGTATCTGGTATTGAATTGAGCTAGTATAGTAC

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RM1. (SEQ ID.3) 541:AAATGTTAAAAATAAAGTCATGCATCATCATCGCTGAC-AGTTGAAACTTGATGTC-ATA
RM4. (SEQ ID.94) 541:GGAAGTAAAAATAAGCTCAGATATCAT-ATATGTGACATG-TGAAACTT-TGGGTGATA
RM5. (SEQ ID.95) 541:AAATGTTAAAAATAAAGTCATGCATCATCGCTGAC-AGTTGAAA-AAAAAAA- -AAA
RM7. (SEQ ID.96) 541:GTATGTTAAAAATAAAGTCATACATCATCGTGTGAC-TGTTGAAACTAGGGTC-ATA
RM9. (SEQ ID.1) 541:AGGAGAGAAAAATAAAGTCATGCATCATCGTGTGACAGTTGAAACATCGGGTGATA

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RM1. (SEQ ID.3) 601:TAAATCTAAAT-AAA-C-TCGTGC-C-----
RM4. (SEQ ID.94) 601:TAAATAGAAAAAAAGTTGTCITTCATATTAA---
RM5. (SEQ ID.95) 601:AAA-----
RM7. (SEQ ID.96) 601:TAAATCTAAATAAAATCATCTTAC-CTAAAAAA-
RM9. (SEQ ID.1) 601:CAAATCTGAATAAAATGTCATGCAAGTTAAAC

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"Replacement Sheet"

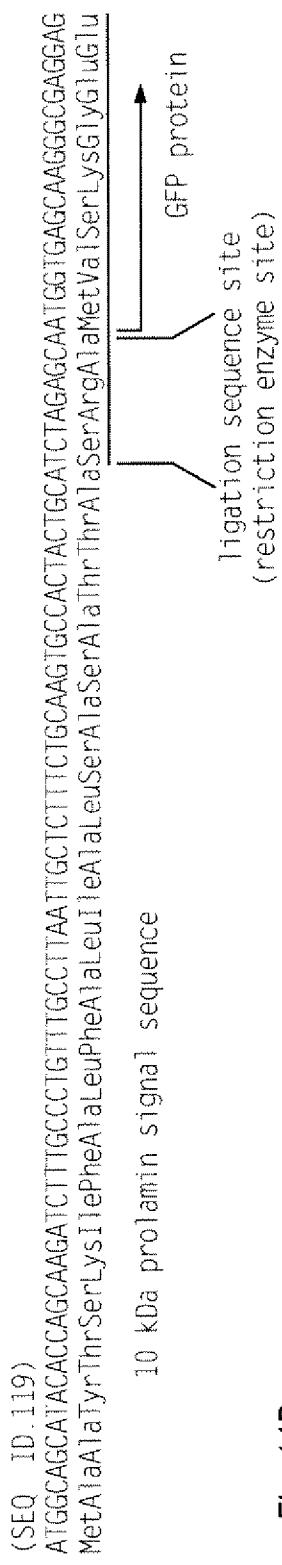


Fig. 14A

(SEQ ID.108)
ATGGCAGCAACCCAGCAAGAATCTTGCCCTGTTGCCTTAATTGCTCTTGTGAAGTGCCACTACTGCA
MetAlaAlaTyrThrSerLysIlePheAlaLeuPheAlaLeuIleAlaSerAlaSerAlaSerAlaThrThrAla

(SEQ ID.119)
ATGGCAGCAACCCAGCAAGAATCTTGCCCTGTTGCCTTAATTGCTCTTGTGAAGTGCAATGGTGAGCAAGGGCGAGGAG
MetAlaAlaTyrThrSerLysIlePheAlaLeuPheAlaLeuIleAlaSerAlaSerAlaSerAlaSerAlaThrThrAla
10 kDa prolamin signal sequence

Fig. 14B

original variety 2 → Introducing gene 6 in Fig. 12

